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iWebDB-Web site administration based on object-relational database technology

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Abstract

Since the emergence of the World Wide Web in the year 1990, the number of accessible pages, and thereby the amount of accessible data have increased dramatically. Consequently, around the world are engaged in maintaining a Web server and its content. While creating getting more and more simple, the administration of a Web site is still a time consuming task. Available tools for Web Content Management (WCM) only cover some of the relevant aspects; an integrated fully functional solution is missing. Therefore, Web administrators still face many problems, such as ensuring validity of available documents or keeping hyperlinks consistent. administrative components of iWebDB, an integrated WCM solution, based on object-relational database technology. By extending an object-relational database system (ORDBS) with WCM functionality of WCM, such as validity checks and consistency checks for local hyperlinks, can be thereby automated. Therefore, iWebDB achieves more effective and easier administration of its content by exploiting the extensibility property of ORDBSs.

Index Terms

Indexing

Controlled Indexing

[Internet](#) [computer network management](#) [hypermedia](#) [information resources](#) [servers](#) [object-oriented databases](#) [relational databases](#)

Non-controlled Indexing

[HTML pages](#) [Internet](#) [ORDBSs](#) [WCM functionality](#) [Web Content Management](#) [administrators](#) [Web site administration](#) [World Wide Web](#) [accessible Web servers](#) [accessible data](#) [consistency checks](#) [iWebDB](#) [integrated WCM solution](#) [integrated functional solution](#) [local hyperlinks](#) [object-relational database system](#) [object-relational database technology](#) [validity checks](#)

Author Keywords

Not Available

Medical Subject Heading (MeSH Terms)

Not Available

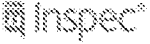
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